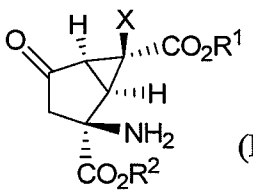
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A process for preparing a compound of formula (IA):



(IA)

wherein R^1 and R^2 are each selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $-(CH_2)_n$ -phenyl

wherein n is 1 or 2, and said alkyl, cycloalkyl and phenyl are unsubstituted or substituted with one or more halogen, hydroxy, C_{1-6} alkyl or C_{1-6} alkoxy;

X is selected from the group consisting of

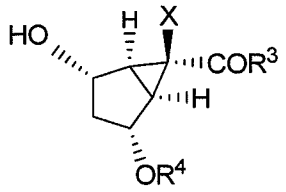
(1) halogen, and

(2) hydrogen; ~~and~~or

pharmaceutically acceptable salts thereof,

comprising:

(A) oxidizing a compound of formula (II):



(II)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) -NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) halogen

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, ,R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

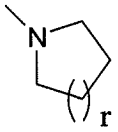
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl; and

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) $Si\text{-}(R^9)(R^{10})(R^{11})$,

(4) $C(=O)\text{-}R^{12}$, wherein R^{12} is selected from the group consisting of

(a) C_{1-10} alkyl,

(b) C_{1-10} perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl, and C_{1-10} alkoxy,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p$-O-$(CH_2)_q$ –X'-R^{14},

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

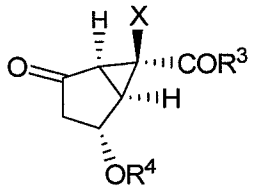
(b) C_{1-10} alkyl,

p is 1 or 2;

q is an integer selected from 1-10; and

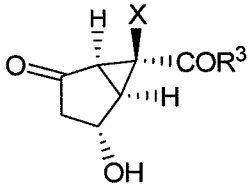
X' is O or a bond;

to form a compound of formula (IV):



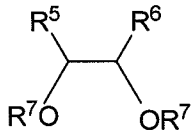
(IV)

(B) deprotecting the compound of formula (IV) to form a compound of formula (V):



(V)

(C) reacting the compound of formula (V) with a compound of formula (VI):



(VI)

wherein R^5 and R^6 are each independently selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $(CH_2)_m$ phenyl,

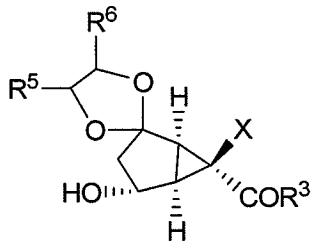
wherein m is 0, 1 or 2, and

R^7 is selected from the group consisting of

(1) hydrogen, and

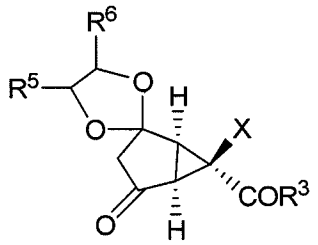
(2) Si-(R^9)(R^{10})(R^{11}), wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl;

to give a compound of formula (VII):



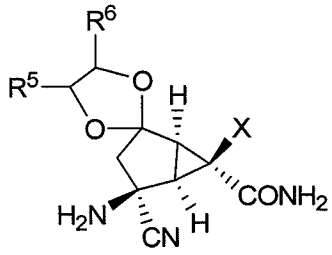
(VII)

(D) oxidizing the compound of formula (VII) to give a compound of formula (VIII):



(VIII)

(E) converting the compound of formula (VIII) to a compound of formula (IX):



(IX)

and (F) converting the compound of formula (IX) to the compound of formula (IA).

2. (original): The process of Claim 1 wherein R^5 and R^6 are methyl.

3. (original): The process of Claim 1 wherein R^5 and R^6 are phenyl.

4. (original): The process of Claim 1 wherein R^3 is methoxy.

5. (original): The process of Claim 1 wherein R^1 and R^2 are hydrogen.

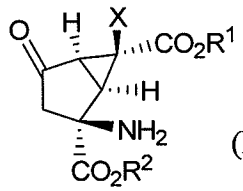
6. (original): The process of Claim 1 wherein R^7 is trimethylsilyl.

7. (original): The process of Claim 1 wherein X is hydrogen.

8. (original): The process of Claim 1 wherein X is fluoro.

9. (original): The process of Claim 1 wherein R^4 is *tert* butyldimethylsilyl.

10. (original): A process for preparing a compound of formula (IA):



(IA)

wherein R^1 and R^2 are each selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $-(CH_2)_n-$phenyl

wherein n is 1 or 2, and said alkyl, cycloalkyl and phenyl are unsubstituted or substituted with one or more halogen, hydroxy, C_{1-6} alkyl or C_{1-6} alkoxy;

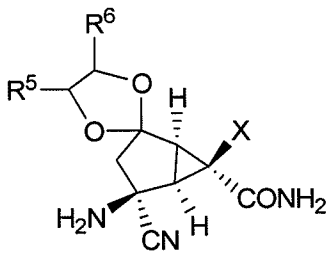
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen; and

pharmaceutically acceptable salts thereof;

comprising converting the compound of formula (IX):



(IX)

wherein R^5 and R^6 are each independently selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $(CH_2)_m$ –phenyl,

wherein m is 0, 1 or 2,

to the compound of formula (IA).

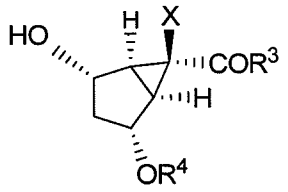
11. (original): The process of Claim 10 wherein R^5 and R^6 are methyl.

12. (original): The process of Claim 10 wherein R^5 and R^6 are phenyl.

13. (original): The process of Claim 10 wherein X is fluoro.

14. (original): The process of Claim 10 wherein X is hydrogen.

15. (currently amended): A process for preparing a compound of formula (II):



(II)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e or R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

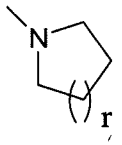
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl;

X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) $Si\text{-}(R^9)(R^{10})(R^{11})$,

(4) $C(=O)\text{-}R^{12}$, wherein R^{12} is selected from the group consisting of

(a) C_{1-10} alkyl,

(b) C_{1-10} perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl, and C_{1-10} alkoxy,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p$-O-$(CH_2)_q$ –X'-R^{14},

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl,

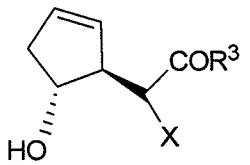
p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

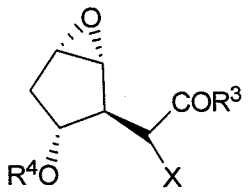
comprising:

(A) converting a compound of formula (X):



(X)

to a compound of formula (XI):



(XI)

and (B) reacting a compound of formula (XI) with a base in the presence of a Lewis acid to give a compound of formula (II).

16. (currently amended): The process of Claim ~~5~~ 15 wherein the conversion of a compound of formula (X) to

a compound of formula (XI) comprises the step of subjecting a compound of formula (X) to epoxidation in the presence of a peroxide source and a catalytic amount of $VO(acac)_2$.

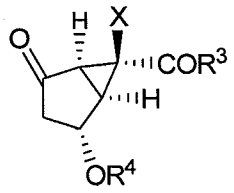
17. (currently amended): The process of Claim ~~5~~ 15 wherein the conversion of a compound of formula

(X) to a compound of formula (XI) comprises treating the compound of formula (X) with a halogenating agent, followed by treatment with a base.

18. (original): The process of Claim 15 wherein X is fluoro.

19. (original): The process of Claim 15 wherein X is hydrogen.

20. (currently amended): The process of Claim ~~5~~ 15, further comprising the step of oxidizing the compound of formula (II) to form a compound of formula (IV)

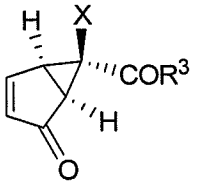


(IV)

21. (original): The process of Claim 20 wherein X is fluoro.

22. (original): The process of Claim 20 wherein X is hydrogen.

23. (currently amended): A process for preparing a compound of formula (XII)



(XII)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

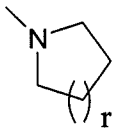
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl;

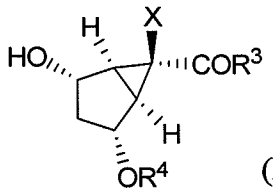
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

comprising:

(A) converting a compound of formula (II)



(II)

wherein R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) Si-(R^9)(R^{10})(R^{11}),

(4) C(=O)-R^{12}, wherein R^{12} is selected from the group consisting of

(a) C_{1-10} alkyl,

(b) C_{1-10} perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl, and C_{1-10} alkoxy,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p$-O-$(CH_2)_q$ –X'-R^{14},

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

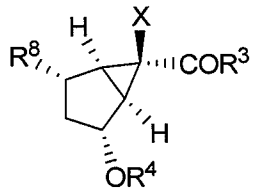
(b) C_{1-10} alkyl,

p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

to a compound of formula (XIII)



(XIII)

wherein R^8 is selected from the group consisting of

(1) halogen, and

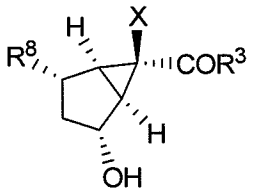
(2) O-SO_2-R^{12}, wherein R^{12} is selected from the group consisting of

(a) C_{1-10} alkyl,

(b) C_{1-10} perfluoroalkyl, ~~or~~and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl, ~~or~~and C_{1-10} alkoxy,

(B) removing R^4 to form a compound of formula (XIV)

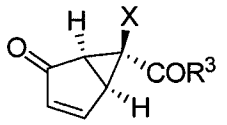


(XIV)

and (C) oxidizing the compound of formula (XIV) to form the compound of formula (XII).

24. (original): The process of claim 23 wherein R^3 is methoxy.

25. (currently amended): A process for preparing a compound of formula (XII')



(XII')

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, and R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

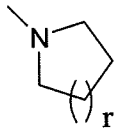
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are selected from the group consisting of hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

R^d is hydrogen or C_{1-10} alkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

X is selected from the group consisting of

(1) halogen, and

(2) hydrogen; and

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) Si-(R^9)(R^{10})(R^{11}),

(4) C(=O)-R^{12}, wherein R^{12} is selected from the group consisting of

(a) C_{1-10} alkyl,

(b) C_{1-10} perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl, and C_{1-10} alkoxy,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} and C_{1-10} alkoxy,

(6) $(CH_2)_p$-O-$(CH_2)_q$ –X'-R^{14},

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

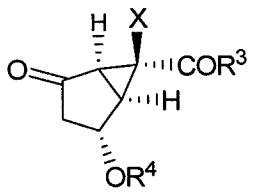
(b) C_{1-10} alkyl;

p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

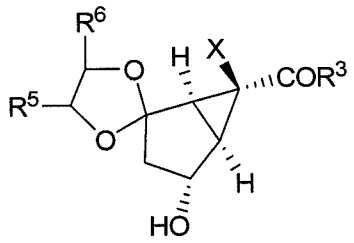
comprising converting a compound of formula (IV)



(IV)

to a compound of formula (XII').

26. (original): A compound of formula (VII):



(VII);

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

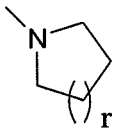
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^gR^h;

wherein R^g and R^h are selected from the group consisting of hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl

R^d is hydrogen or C_{1-10} alkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^5 and R^6 are independently selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $(CH_2)_m$ –phenyl,

wherein m is 0, 1 or 2; and

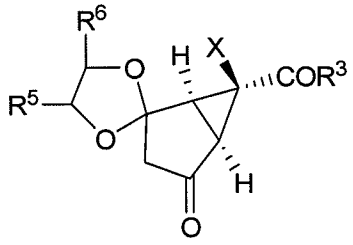
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

and salts thereof.

27. (original): A compound of formula (VIII):



(VIII)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

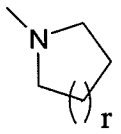
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h ;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

R^d is hydrogen or C_{1-10} alkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^5 and R^6 are independently selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $(CH_2)_m$ phenyl,

wherein m is 0, 1 or 2; and

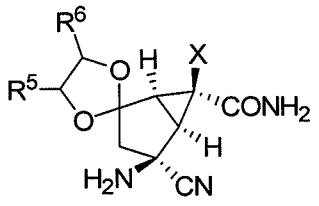
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

and salts thereof.

28. (original): A compound of formula (IX):



(IX)

wherein R^5 and R^6 are independently selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $(CH_2)_m$ –phenyl,

wherein m is 0, 1 or 2; and

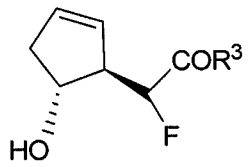
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

and salts thereof.

29. (original): A compound of formula (XA):



(XA)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

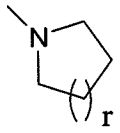
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

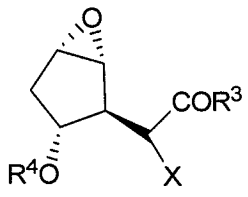
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl;

and salts thereof.

30. (currently amended): A compound of formula (XI):



(XI)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

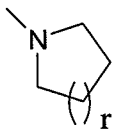
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl;

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) $Si-(R^9)(R^{10})(R^{11})$,

(4) $C(=O)-R^{12}$, wherein R^{12} is selected from the group consisting of

(a) C_{1-10} alkyl,

(b) C_{1-10} perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl, and C_{1-10} alkoxy,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p-O-(CH_2)_q-X'-R^{14}$,

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl,

p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

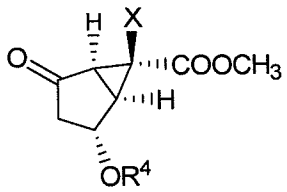
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

and salts thereof.

31. (currently amended): A compound of formula (IVA):



(IVA)

wherein X is selected from the group consisting of

(1) halogen, and

(2) hydrogen; and

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) Si-(R^9)(R^{10})(R^{11}),

(4) C(=O)-R^{12}, wherein R^{12} is selected from the group consisting of

(a) C_{1-10} alkyl,

(b) C_{1-10} perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl, and C_{1-10} alkoxy,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p$-O-$(CH_2)_q$ –X'-R^{14}, and

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl,

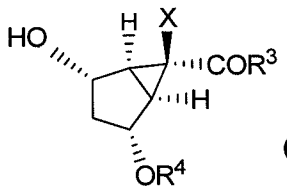
p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

and salts thereof.

32. (currently amended): A compound of formula (II):



(II)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

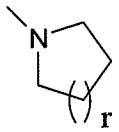
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h ;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl;

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) $Si-(R^9)(R^{10})(R^{11})$,

(4) $C(=O)-R^{12}$, wherein R^{12} is selected from the group consisting of

(a) C_{1-10} alkyl,

(b) C_{1-10} perfluoroalkyl, and

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl, and C_{1-10} alkoxy,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p-O-(CH_2)_q-X'-R^{14}$, and

(7) tetrahydropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and

R^{14} is selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl,

p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

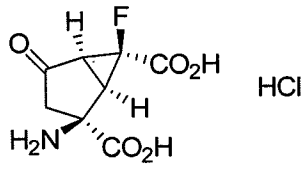
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

and salts thereof.

33. (original): A compound which is:



34. (currently amended): A polymorphic form of the compound of Claim ~~34~~ 33 wherein the polymorphic form has a d-spacing determined by x-ray powder diffraction, CuK alpha, of about 5.37 angstroms.

35. (currently amended): The polymorphic form of Claim ~~35~~34, which has at least one additional d-spacing determined by x-ray powder diffraction, CuK alpha, of about 4.52, 4.05, 3.84, 3.37, 2.96, 2.73, 2.67, 2.59 or 2.42 angstroms.

36. (original): A polymorphic form of the compound of Claim 34, wherein the polymorphic form has a Differential Scanning Calorimetry extrapolated onset melting temperature of about 184°C.